

## LUBRICANT AND MAGNETIC RECORDING MEDIUM

Patent Number: JP8319491

Publication date: 1996-12-03

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Requested Patent:  JP8319491

Application Number: JP19950152566 19950526

Priority Number(s):

IPC Classification: C10M105/50 ; C10M105/70 ; G11B5/71

EC Classification:

Equivalents:

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### Abstract

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**PURPOSE:** To provide a lubricant that will be used for magnetic recording mediums, exhibits excellent lubricity for a long period of time under various use conditions and is excellent in running properties, abrasion resistance, and durability by choosing a specified compound.

**CONSTITUTION:** This lubricant comprises a phosphazene group-containing perfluoropolyether having the given formula wherein Rf denotes a perfluoropolyether group and preferably a monofunctional perfluoropolyether group represented by the formula  $F(CF_2CF_2CF_2O)^rCF_2CF_2-$ ,  $CF_3(OCF(CF_3)CF_2)^m-(OCF_2)_l-$ , or  $F(CF(CF_3)CF_2O)^kCF_2$  wherein (r), (m), (l), and (k) are each 1 or more or a polyfunctional perfluoropolyether group represented by the formula  $-(OC_2F_4)^p(OCF_2)^q$  wherein p and (q) each represent (r), R denotes a hydrocarbon group preferably having 10 or more carbon atoms, and (n) is 1 to 6.

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